

5040

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/520,679
Source: P4710
Date Processed by STIC: 1/18/05

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PCT

RAW SEQUENCE LISTING

DATE: 01/18/2005

PATENT APPLICATION: US/10/520,679

TIME: 15:00:55

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\01182005\J520679.raw

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3 <110> APPLICANT: Pohlner, Johannes
4   Von Der Kammer, Heinz
6 <120> TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC USE OF A RAB FAMILY
7   GTP-BINDING PROTEIN FOR NEURODEGENERATIVE DISEASES
9 <130> FILE REFERENCE: 2335.0030001
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/520,679
C--> 11 <141> CURRENT FILING DATE: 2005-01-11
11 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/007361
12 <151> PRIOR FILING DATE: 2003-07-09
14 <150> PRIOR APPLICATION NUMBER: EP 02015429.0
15 <151> PRIOR FILING DATE: 2002-07-11
17 <150> PRIOR APPLICATION NUMBER: 60/394,870
18 <151> PRIOR FILING DATE: 2002-07-11
20 <160> NUMBER OF SEQ ID NOS: 15
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 194
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapiens
29 <400> SEQUENCE: 1
30 Met Ala Ile Arg Glu Leu Lys Val Cys Leu Leu Gly Asp Thr Gly Val
31   1           5           10           15
33 Gly Lys Ser Ser Ile Val Cys Arg Phe Val Gln Asp His Phe Asp His
34           20           25           30
36 Asn Ile Ser Pro Thr Ile Gly Ala Ser Phe Met Thr Lys Thr Val Pro
37           35           40           45
39 Cys Gly Asn Glu Leu His Lys Phe Leu Ile Trp Asp Thr Ala Gly Gln
40           50           55           60
42 Glu Arg Phe His Ser Leu Ala Pro Met Tyr Tyr Arg Gly Ser Ala Ala
43   65           70           75           80
45 Ala Val Ile Val Tyr Asp Ile Thr Lys Gln Asp Ser Phe Tyr Thr Leu
46           85           90           95
48 Lys Lys Trp Val Lys Glu Leu Lys Glu His Gly Pro Glu Asn Ile Val
49           100          105          110
51 Met Ala Ile Ala Gly Asn Lys Cys Asp Leu Ser Asp Ile Arg Glu Val
52           115          120          125
54 Pro Leu Lys Asp Ala Lys Glu Tyr Ala Glu Ser Ile Gly Ala Ile Val
55           130          135          140
57 Val Glu Thr Ser Ala Lys Asn Ala Ile Asn Ile Glu Glu Leu Phe Gln
58   145          150          155          160
60 Gly Ile Ser Arg Gln Ile Pro Pro Leu Asp Pro His Glu Asn Gly Asn
61           165          170          175
63 Asn Gly Thr Ile Lys Val Glu Lys Pro Thr Met Gln Ala Ser Arg Arg

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64          180          185          190
66 Cys Cys
70 <210> SEQ ID NO: 2
71 <211> LENGTH: 585
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence: complete cDNA
77   of RAB 31 gene
79 <400> SEQUENCE: 2
80 atggcgatac gggagctcaa agtgtgcctt ctcggggaca ctgggggttg gaaatcaagc 60
81 atcgtgtgtc gatttgtcca ggatcacttt gaccacaaca tcagccctac tattggggca 120
82 tcttttatga ccaaaactgt gccttgtgga aatgaacttc acaagttcct catctgggac 180
83 actgctgggc aggaacgggt tcattcattg gctcccatgt actatcgagg ctgagctgca 240
84 gctgttatcg tgtatgatat taccaagcag gattcatttt atacctgaa gaaatgggtc 300
85 aaggagctga aagaacatgg tccagaaaac attgtaatgg ccatcgctgg aaacaagtgc 360
86 gacctctcag atattagggg gggtcccttg aaggatgcta aggaatacgc tgaatccata 420
87 ggtgccatcg tggttgagac aagtgcaaaa aatgctatta atatcgaaga gctctttcaa 480
88 ggaatcagcc gccagatccc acccttggac ccccatgaaa atggaaacaa tggaacaatc 540
89 aaagttgaga agccaacat gcaagccagc cgccgggtgct gttga 585
92 <210> SEQ ID NO: 3
93 <211> LENGTH: 212
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA fragment
99   of RAB31 gene
101 <400> SEQUENCE: 3
102 accgtggacc acggcccttg ggtcaacagc accggcggct ggcttgcatt gttggcttct 60
103 caactttgat tgttcattg tttccacttt catgggggtc caagggtggg atctggcggc 120
104 tgattccttg aaagagctct tcgatattaa tagcattttt tgcacttgct tcaaccacga 180
105 tggcacctat ggattcagcg tattccttag ca 212
108 <210> SEQ ID NO: 4
109 <211> LENGTH: 20
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
115   RAB31 gene
117 <400> SEQUENCE: 4
118 actgctgaag gaccctacgc 20
121 <210> SEQ ID NO: 5
122 <211> LENGTH: 20
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
128   RAB31 gene
130 <400> SEQUENCE: 5

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131 gatgcaaagc cagtgtgctc                                20
134 <210> SEQ ID NO: 6
135 <211> LENGTH: 20
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
141     cyclophilin B gene
143 <400> SEQUENCE: 6
144 actgaagcac tacgggcctg                                20
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 19
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
154     cyclophilin B gene
156 <400> SEQUENCE: 7
157 agccgttggt gtctttgcc                                19
160 <210> SEQ ID NO: 8
161 <211> LENGTH: 20
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
167     ribosomal protein S9 gene
169 <400> SEQUENCE: 8
170 ggtcaaattt accctggcca                                20
173 <210> SEQ ID NO: 9
174 <211> LENGTH: 22
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
180     ribosomal protein S9 gene
182 <400> SEQUENCE: 9
183 tctcatcaag cgtcagcagt tc                                22
186 <210> SEQ ID NO: 10
187 <211> LENGTH: 19
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
193     beta-actin gene
195 <400> SEQUENCE: 10
196 tggaacggtg aaggtgaca                                19
199 <210> SEQ ID NO: 11
200 <211> LENGTH: 19
201 <212> TYPE: DNA

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202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
206     beta-actin gene
208 <400> SEQUENCE: 11
209 ggcaaggac ttcctgtaa                                19
212 <210> SEQ ID NO: 12
213 <211> LENGTH: 20
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for the
219     GAPDH gene
221 <400> SEQUENCE: 12
222 cgtcatgggt gtgaaccatg                                20
225 <210> SEQ ID NO: 13
226 <211> LENGTH: 21
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for the
232     GAPDH gene
234 <400> SEQUENCE: 13
235 gctaagcagt tgggtggtgca g                            21
238 <210> SEQ ID NO: 14
239 <211> LENGTH: 21
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for the
245     transferrin receptor gene
247 <400> SEQUENCE: 14
248 gtcgctgggtc agttcgtgat t                            21
251 <210> SEQ ID NO: 15
252 <211> LENGTH: 23
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for the
258     transferrin receptor gene
260 <400> SEQUENCE: 15
261 agcagttggc tgtgtacac ctc                            23

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VERIFICATION SUMMARY

DATE: 01/18/2005

PATENT APPLICATION: US/10/520,679

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Input Set : A:\Sequence Listing.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date